

**TOP SECRET**(K-06<sup>40</sup>~~60~~/65)

10 June 1965

Pages 3Page 1Copy 1SAM NAVAL LAUNCH EXERCISE

USSR

1. THE RECENTLY RELEASED SOVIET FILM, ROCKETS IN DEFENSE OF PEACE, INCLUDES A SEQUENCE REVEALING THE LAUNCHING OF A GOA MISSILE FROM A PROBABLE "KASHIN" CLASS DLG.
2. THE RADAR SHOWN IS IDENTIFIED AS THE PEEL GROUP. THIS RADAR, WHICH FIRST APPEARED IN 1961 ON THE "KYNDA" CLASS DLG, IS A SURFACE-TO-AIR MISSILE CONTROL RADAR BELIEVED TO EMPLOY A TRACK-WHILE-SCAN AND MISSILE COMMAND MODE WITH A RANGE TO 25-30 NM. THE ANTENNA CONSISTS OF 2 PAIRS OF HORIZONTAL AND VERTICAL TRUNCATED PARABOLIC SOLID REFLECTORS AND A CENTRAL MESH-TYPE DISH WITH A DIAMETER OF 2 FT; THE OVERALL ANTENNA HEIGHT IS
3. THE GOA MISSILE WAS FIRST SEEN IN THE MOSCOW PARADE ON 7 NOV 64, TRANSPORTED DUALY ON A ZIL-157V TRUCK TRACTOR. THIS MISSILE IS DEPLOYED AT FIXED SITES WHICH HAVE BEEN OBSERVED SINCE 1961.

25X1

THE SA-N-1 NAVAL SAM SYSTEM WAS FIRST IDENTIFIED ON A KASHIN-CLASS DLG IN MAR 63; HOWEVER, IT WAS NOT THE MISSILE, BUT THE LAUNCHER WHICH WAS SEEN. ANALYSES OF THE LAUNCH EQUIPMENT OF THE SA-N-1 SEEN ON THE KASHIN AND OF NAVAL SAM OPERATIONS DETECTED BY

LED TO THE ESTIMATE THAT IT EMPLOYED THE SAME

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GROUP 1  
Excluded from automatic  
downgrading and  
declassification

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MISSILE AS THE GROUND FORCES SA-3 LOW ALTITUDE SYSTEM. THIS  
INTURN LATER PROVED TO BE THE GOA MISSILE WITH THE FOLLOWING

25X1

PROPELLANTS

SOLID (BOTH STAGES)

4. THIS FILM SEQUENCE IS THE FIRST FIRM EVIDENCE OF GOA MISSILE  
EMPLOYMENT WITH THE SA-N-1 NAVAL SAM SYSTEM.

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